

L 1650-66

ACCESSION NR: AP5021636

ENCLOSURE: 01

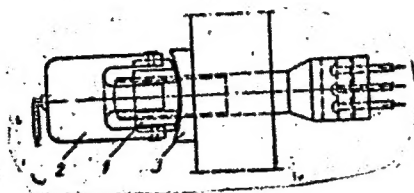


Fig. 1. 1- thrust nut; 2- device for rotating nut; 3- distributing washer

Card 3/3 DP

KOPELEVICH, L.M.; BALOVNEV, P.F.; MAKUKHIN, M.G.; POLYAKOV, K.Ya.

Use of special tires for logging trucks. Trudy STI 37:135-143  
'64. (MIRA 18:5)

KOPELEVICH, L.M., starshiy propodavatel'

Conditions for the use of current collectors during the testing  
of lumber transportation machines. Trudy STI 37:144-163 '64.  
(MIRA 18:5)

KOPELEVICH, L.M., starshiy prepodavatel'

Some methodological problems in the study of lumbering machines.

Trudy STI no.32:105-119 '62.

(MIRA 16:12)

11-H

CA

Effects of heavy-metal salts on hemolysis. I. A. Smorodintsev and M. Kopolavich. *Moskva Ind. S. S. S. R. 9*, No. 12, 28 (1958); *Chimie & Industrie* 42, 710. All the salts studied ( $\text{FeSO}_4$ ,  $\text{FeCl}_3$ ,  $\text{SnCl}_4$ ,  $\text{CuSO}_4$ ,  $\text{CuCl}_2$ ,  $\text{Pb(NO}_3)_2$ ,  $\text{Pb(OAc)}_2$ ,  $\text{ZnSO}_4$ ,  $\text{ZnCl}_2$ ,  $\text{Zn-CuSO}_4$ ,  $\text{CuCl}_2$ ,  $\text{Pb(NO}_3)_2$ ,  $\text{Pb(OAc)}_2$ ,  $\text{ZnSO}_4$ ,  $\text{ZnCl}_2$ ,  $\text{Zn-CuSO}_4$ ) affect hemolysis, but at different concns. The valence of the metal is of importance; for a given metal, lower valence produces higher hemolytic power. Zn salts have the highest hemolytic power and the best antiseptic properties. The nature of the anion is of less importance than that of the cation, from the standpoint of hemolytic power.

A. Papineau-Couture

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

62-1

KOPELIOVICH, M.P.

Research in economics of the Scientific Technological Society  
of the Machinery Industry. Mashinostroitel' no.6:37 Je '61.  
(MIRA 14:6)

(Efficiency, Industrail) (Economics)

L 25461-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWP(l)/EWP(v)/ENP(t) JD/HM

ACC NR: AP6011219

SOURCE CODE: UR/0413/66/000/006/0055/0055

INVENTOR: Kopelevich, S. Kh.; Mikhaylov, A. S.; Tumanova, Ye. A.

32  
B

ORG: none

TITLE: A manipulator for making annular weld joints. Class 21, No. 179864

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 55

TOPIC TAGS: welding equipment, welding

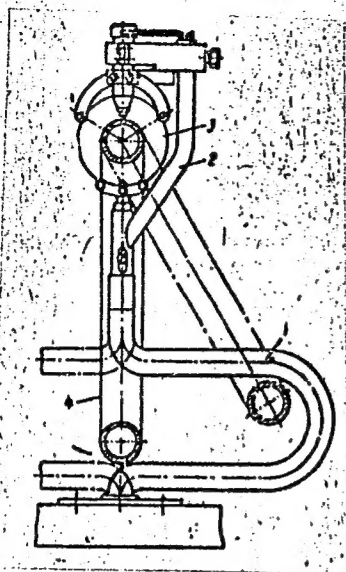
ABSTRACT: This Author's Certificate introduces a manipulator for making annular weld joints. The device contains a base with two stands and a frame placed on the axes of these stands for holding the article to be welded. The unit is designed for welding annular joints in toroidal tanks made up of separate curved tubular sections. In the center of the base is a curved collapsible rotating tube with hoses passing through it. This tube is connected to a carriage for holding the welding head so that the tank may be rotated through more than one revolution during welding.

UDC: 621.791.039-462

Card 1/2

L 25461-66

ACC NR: AP6011219



1--collapsible tube; 2--hoses; 3--carriage;  
4--tank

SUB CODE: 13/

SUBM DATE: 13Nov64/

ORIG REF: 000/

OTH REF: 000

Card 2/2 C.A.



KOPELEVICH, S.M.

FUTER, D.S., professor

"Epidemic infantile paralysis," S.E.Bansburg, Kopelevich, S.M.  
Reviewed by D.S.Futer. *Pediatrics* no.3:85-86 NY-Js-55 (MAY 8:10)  
(POLIOMYELITIS) (BANSBURG, S.E.) (KOPELEVICH, S.M.)

KOPELEVICH, T. V.

Approximate determination of partial vapor densities of ammonia, hydrogen sulfide, carbon dioxide, and water above boiling ammonia liquor. T. V. Kopelevich. *Zh. vodskeyn lab.* 14, 1002-3 (1948). A vertical glass jacket, provided with a dropping funnel containing the test solution at the top and a small bulb (A) with a stopcock at the bottom, carries an axially located thermometer which is surrounded by a glass-tube spiral for vapor flow. Near the bulb of the thermometer, the outer jacket has a sealed-on horizontal exit tube (which has a vertical dropping funnel containing water near its point of attachment) which passes through a condenser to a receiver (B). The sample is added and brought to the b.p.; the contents of A and B are then analyzed and the vapor densities (partial) are calculated from the difference values between A and B. G. M. K.

SADOVSKAYA, N.N.; TIMOFEEVA, O.N.; POLYUSHKIN, V., inzhener, redaktor;  
KOPLEVICH, V., redaktor; STUDYNTSKAYA, V.A., tekhnicheskii  
redaktor

[Ventilation of a ship's engine and boiler rooms; basic calculations,  
designs, construction, and operation] Ventilatsiia sudovykh mashin-  
nykh i kotel'nykh otdelenii; osnovy rascheta, proektirovaniia,  
ustroistva i ekspluatatsii. Moskva, Gos. izd-vo vodnogo transp.,  
1953. 289 p. (MLRA 7:9)

(Ships--Heating and ventilation)

KOPELEVICH, Ye.I.

ISLENT'YEV, Petr Alekseyevich; FODIMAN, L.V., redaktor; ZAYTSEV, M.I.,  
retsensent; KOPELEVICH, Ye.I., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Methods of calculating the demand for dyes and chemical materials  
by individual cotton mills] Metodika podscheta potrebnosti v krasi-  
teliakh i khimicheskikh materialakh dlia otdelechnukh khlopchato-  
bymazhnykh fabrik. Pod red. L.V.Fodimana. Moskva, Gos. nauchno-  
tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potre-  
bleniia SSSR, 1954. 79 p. (MLRA 8:6)

(Dyes and dyeing--Cotton)

BELOTSVETOV, Andrey Vasvolodovich; KOPILNICH, Ye.I., redaktor; MEDVEDOV,  
L.Ya., tekhnicheskiiy redaktor

[Increasing the power coefficient in electric plants of light in-  
dustry enterprises] Povyshenie koeffitsienta moshchnosti v elektro-  
ustanovkakh predpriatii legkoi promyshlennosti. Moskva, Gos.  
nauchno-tekhn. izd-vo Ministerstva promyshl. tovarov shirokogo  
potrebleniia SSSR, 1954. 141 p. (MIRA 8:6)  
(Electric power) (Russia—Manufactures)

SEVOST'YANOV, Aleksey Grigor'yevich; KOPELEVICH, Ye.I., redaktor; EL'KINA,  
E.M., tekhnicheskiy redaktor.

[Blending and the composition of blendings in cotton spinning; theory  
and practice] Sostavlenie smesok i smeshivanie v khlopkopriadil'nom  
proizvodstve: teoriya i praktika. Moskva, Gos. nauchno-tekhn. izd-vo  
Ministerstva promyshlennykh tovarov shirokogo potrebleniya SSSR, 1954.  
191 p. (MLRA 8:1)

(Cotton spinning)

RAZUVAYEV, A.A., redaktor; KOPELEVICH, Ye.I., redaktor; EL'KINA, E.M.,  
tekhnicheskii redaktor

[Manual on the primary processing of flax] Spravochnik po zavodskoi  
pervichnoi obrabotke l'na. Pod red. A.A.Razuvaeva. Moskva, Gos.  
nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo  
potrebleniia SSSR, 1954. 494 p. (MLRA 8:7)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut luby-  
nykh volokon.  
(Flax)

LAGOV, Aleksey Fedorovich; ROGOVA, I.V., redaktor; KOPLEVICH, Ye.I.  
redaktor; NEKRASOVA, O.I., tekhnicheskiy redaktor.

[The care of clothes, fabrics and footwear; practical hints for the  
home] Ukhod za odevhdoi, tkaniami i obuv'iu; prakticheskie sovety  
dlia domashnego obikhoda. Pod red. I.V.Rogovoi. Moskva, Gos. nauchno-  
tekhnicheskoe izdatel'stvo Ministerstva tekstil'noi promyshl. SSSR,  
1955. 35 p. (Home economics) (MIRA 9:5)



BELIKHOV, Aleksey Vasil'yevich; POLYAK, T.V., retsazent; KOPELEVICH,  
Ye.I., redaktor; EL'KINA, E.M., tekhnicheskii redaktor

[Methods for analysing the accomplishment of the planned rates  
of output] Metody analiza vypolneniia norm vyrabotki. Moskva,  
Gos. nauchno-tekhn. izd-vo Ministerstva promyshl. tovarov shirokogo  
potrebleniia SSSR, 1955. 150 p. (MLRA 8:10)  
(Time study) (Textile industry)

GONCHAROV, Aleksey Vladimirovich; CHIZHOV, P.M., retsenzent; KOPELEVICH, Ye.I., redaktor; MEDVEDEVA, L.A., tekhnicheskiiy redaktor.

[Installation and servicing of sliver lapping, drawing and combing machines] Ustroistvo i obsluzhivanie lentoscedimitel'nykh, kholstovytiashykh i grebnechesal'nykh mashin. Moskva, Gos.nauchno-tekhn.isd-vo Ministerstva promyshl.tovarov shirokogo potrebleniia SSSR, 1955. 182 p. (MLRA 9:1)  
(Textile machinery)

DERYUGIN, Sergey Matveyevich; OZEROV, Boris Viktorovich; KOPELEVICH, Ye.I.,  
redaktor; GASTEV, A.P., retsenzent; EL'KINA, E.M., ~~tekhnicheskii~~  
redaktor

[Organizing, assembling, repairing and adjusting of continuous-  
action spinning looms (spinning of fine wool)] Ustroistvo, mon-  
tazh, remont i naladka priadil'nykh mashin nepreryvnogo deistviia  
(grevennoe priadenie tonkoi sherstvi). Moskva, Gos.nauchno-tekhn.  
izd-vo Ministerstva tekstil'noi promyshl. SSSR, 1955. 207 p.

(Spinning machinery) (Woolen and worsted spinning) (MLRA 9:3)

*Kopelevich, Ye.I.*

FRIDENBERG, Konstantin Ernestovich; ALTUNDZHI, N.V., redaktor; USHAKOV, G.I.,  
retsensent; KOPELEVICH, Ye.I., redaktor; MEDVEDEVA, L.A., tekhnicheskii  
redaktor.

[Production program for textile enterprises] Proizvodstvennaia programma  
tekstil'nogo predpriiatiia. Pod red. N.V.Altundzhi. Moskva, Gos.nauchno-tekhn.  
izd-vo Ministerstva tekstil'noi promyshlennosti SSSR, 1956. 31 p.  
(Textile industry) (MLBA 9:6)

KOPELEVICH, Ye. I.

AVRUNINA, Anna Isaakovna; ARSEN'YEV, Nikolay Nikolayevich; RUSAKOV,  
Nikolay Gennadiyevich; TUMAYAN, Stepan Akopovich; KUKIN, G.N.  
retsensent; NATANSON, I.A., retsensent; KOPELEVICH, Ye. I., redaktor;  
MADVEDEV, I. Ya., tekhnicheskii redaktor

[General silk technology] Obshchaya tekhnologiya shelka. Moskva,  
Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956.  
241 p. (MLRA 10:5)

(Silk manufacture)

KHODYKH, Mikhail Il'ich; KRUGLOV, N.P., retsenzent; MANSUROV, V.N.,  
retsenzent; KOPELEVICH, Ye.I., redaktor; MEDVEDEV, L.Ya.,  
tekhnicheskii redaktor

[Repair and installation of equipment in textile enterprises and  
light industries; the general part] Remont i montazh oborudovaniia  
predpriatii tekstil'noi i legkoi promyshlennosti; obshchaia chast'.  
Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva legkoi promyshl.  
SSSR, 1956. 310 p. (MIRA 9:9)  
(Machinery)

KRYUKOV, Vasilii Mikhaylovich, kandidat tekhnicheskikh nauk; AFONCHIKOV, F.A.,  
retsensent; ZAMAKHOVSKIY, L.I., nauchnyy redaktor, retsensent, kandi-  
dat tekhnicheskikh nauk; KOPLEVICH, Ye.I., redaktor; MEDVEDEVA, L.A.,  
tekhnicheskiiy redaktor

[Designing cotton spinning mills] Proektirovanie khlopkopriadil'nykh  
fabrik. Izd. 3-e, perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo  
Ministerstva legkoi promyshl. SSSR, 1956. 391 p. (MLRA 10:4)  
(Cotton spinning) (Textile factories)

KOPELEVICH, Ye. I.

LIPATENKOV, Ivan Vasil'yevich; KAPRALOV, Mikhail Karpovich; BITUNOV, Yevgeniy Ivanovich; VAKUROV, Konstantin Viktorovich; KUZOVSKIN, Konstantin Sergeyevich; PAVLOV, Leonid Vasil'yevich; KLOCHKOV, Ivan Nikitich; ZHITS, Margoliya Isayevna; KHROMOV, Vasil'y Vasil'yevich; LIPSHITS, N.V., redaktor; ~~KOPELEVICH, Ye. I.~~, redaktor; DMITRIYEVA, N.I., tekhnicheskii redaktor

[Assembling and adjusting machinery of looms with picker sticks;  
work practices of foremen and assistants in the Monin worsted mills]  
Ustanovka i naladka mekhanizmov tkatskikh stankov s verkhnim boem;  
obobshchennyi opyt raboty masterov i pomoshchnikov mastera Moninskogo  
kamvol'nogo kombinata. Pod red. N.V.Lipshitsa. Moskva, Gos.nauchno-  
tekhn.isd-vo M-va legkoi promyshl.SSSR, 1957. 109 p. (MLRA 10:9)  
(Looms)



KONYUKOV, Pavel Mikhaylovich; SMELOVA, Nina Alekseyevna; EFROS, Boris  
Yefimovich; ASTASHEV, A.G., retsenzents; KOPELEVICH, Ye.I., red.;  
SELEZNEVA, T.V., tekhn.red.

[Atlas of cotton spinning machinery] Atlas mashin khlopkopriadil'nogo  
proizvodstva. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po legkoi  
promyshl., 1957. 340 p. (MIRA 11:3)  
(Cotton spinning)

KOPELEVICH, Ye. I

KUKHNOV, Dmitriy Aleksandrovich; SHVIRYEV, S.S., retsentsent; KOPELEVICH, Ye. I.,  
red.; KHAKHIN, M.F., tekhn. red.

[Automatic electric drive for combined picker-opener units] Avto-  
matizirovannyi elektroprivod razrykhritel'no-trepal'nykh agregatov.  
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1958.  
42 p. (MIRA 11:7)

(Cotton gins and ginning)

GONCHAROV, A.V.; RAZUMOV, P.I.; GROMOVA, T.G., retsenzent; KOPELEVICH, Ye.I.,  
red.; DMITRIYENVA, N.I., tekhn.red.

[ISV-235 lapping machine] Lentoscedinitel'naya mashina ISV-235.  
Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po legkoi promyshl.,  
1958. 47 p. (MIRA 11:4)  
(Textile machinery)

MITYUSHIN, Nikolay Leont'yevich; STEPANOVA, A.A., red.; KOPELEVICH, Ye.I.,  
red.; SHAPENKOVA, T.A., tekhn.red.

[Handling and sorting raw materials and finished products at  
flax mills] Priemka i sortirovka syr'ia i gotovoi produktov  
na l'nosavodakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po  
legkoi promyshl., 1958. 143 p. (MIRA 12:3)  
(Flax)

ALTUNDZHI, Nadezhda Vladimirovna; IVANOVA, Mariya Nikolayevna; USHAKOV,  
G.I., retsentsent; FRIDENBERG, K.E., red.; KOPSELEVICH, Ye.I.,  
red.; MEDVEDEV, L.Ya., tekhn.red.

[Cost planning for textile plants] Planirovaniye sebestoimosti  
produktov na predpriyatiyakh tekstil'noi promyshlennosti. Pod  
red. K.E.Fridenberga. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po  
legkoi promyshl., 1958. 230 p. (MIRA 12:4)  
(Textile industry--Costs)

KHUDYKH, Mikhail Il'ich.; BELEN'KIY, S.I., retsenzent.; PRYANICHNIKOV,  
V.P., retsenzent.; KOPELEVICH, Ye.I., red.; KOGAN, V.V., tekhn. red.

[Repairing and assembling textile machinery] Remont i montazh  
tkatskogo oborudovaniya. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry  
po legkoi promyshl., 1958. 342 p. (MIRA 11:11)  
(Textile machinery--Maintenance and repair)

VLADIMIROV, Boris Mikhailovich, dokt. tekhn. nauk, retsenzent.; SVYATOSLAVOV, N.I., kand. tekhn. nauk, retsenzent.;  
KOPELEVICH, Ye.I., red.; KOGAN, V.V., tekhn. red.

[Analysis of operation processes on opener-picker machines]  
Analiz protsessov na mashinakh razrykhritel'no-trepal'nogo agre-  
gata. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi pro-  
myshl., 1959. 175 p. (MIRA 12:10)  
(Cotton machinery)

MUZYLEV, Lev Tikhonovich, kand.tekhn.nauk; ISSINSKIY, Viktor Vladimirovich;  
PEROV, Valentin Alekseyevich; KOPELEVICH, Ye.I., red.; MEDVEDEV,  
L.Ya., tekhn.red.

[Wool comb with periodic action; working principle, servicing,  
assembling, and adjustment] Grebnechesal'naya mashina periodi-  
cheskogo deistviia dlia shersti; ustroistvo, obsluzhivanie,  
montazh i naladka. Pod obshchei red. L.T.Muzyleva. Moskva, Gos.  
nauchno-tekhn.isd-vo lit-ry po legkoi promyshl., 1959. 178 p.

(MIRA 13:5)

(Combing machines)

CHERKINSKIY, Boris Mendeleyevich; GORODOV, Kapiton Ivanovich; VIGDORCHIK, Daryi Yakovlevich; LUR'YE, M.Yu., prof., ratsenzent; KOPELEVICH, Ye.I., red.; KOZAN, V.V., tekhn.red.

[Use of gas for speeding up the drying and thermal processing of textile fabrics] Ispol'zovanie gaza dlia intensifikatsii protsessov sushki i termicheskoi obrabotki tkanei. Moskva, Gos. nauchno-tekhn.isd-vo lit-ry po legkoi promyshl., 1959. 250 p.  
(MIRA 13:2)

(Drying apparatus--Textile fabrics) (Textile finishing)



ZOTIKOV, V.Ye.; prof., doktor.tekhn.nauk.; BUDNIKOV, I.V.; TRYKOV, P.P.;  
GINZBURG, L.N., retsenzent; KARPOV, L.I., retsenzent; ORLOVA,  
Z.M., retsenzent; TALEPOROVSKAYA, V.V., retsenzent; FINKEL'SHTEYN,  
I.I., retsenzent; KOPELEVICH, Ye.I., red.; SHAPENKOVA, T.A., tekhn.red.

[Fundamentals of the spinning of fabrics] Osnovy priadeniya voloknistykh  
materialov. Pod red. V.E.Zotikova. Moskva, Gos.nauchno-tekhn.isd-vo  
lit-ry po legkoi promyshl., 1959. 506 p. (MIRA 12:11)

1. Kafedra pryadeniya khlopka Ivanovskogo tekhnologicheskogo insti-  
tuta (IvTI) (for Karpov, Orlova, Taleporovskaya, Finkel'shteyn).  
(Spinning)

POLYAK, Teodor Borisovich; ALTUNDZHI, N.V., retsenzent; VIDREVICH, Ya.V., retsenzent; KOPELEVICH, Ya.I., red.; KNAKNIN, M.T., tekhn.red.

[Labor productivity and labor requirements in cotton manufacture] Proizvoditel'nost' truda i trudoemkost' izdelii v khlopchatobumazhnom proizvodstve. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 188 p.

(MIRA 14:4)

(Cotton manufacture--Labor productivity) (Time study)

SAL'MAN, Semen Il'ich; LERMAN, D.I., retsenzent; ZUBCHANINOV, V.V., retsenzent; FEYMAN, I.I., retsenzent; KOPELEVICH, Ye.I., red.; SHAPENKOVA, T.A., tekhn.red.

[Planning and design of flax-spinning factories] Proektirovanie i'nopriadil'nykh fabrik. Pod red. D.I.Libermana. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 315 p.  
(MIRA 14:4)

(Flax) (Textile factories)

STERLIN, Yefim Abramovich; POBEDIMSKIY, G.V., retsenzents; CHERTKOV, L.Ya.,  
retsenzents; ZAMAKHOVSKIY, L.I., spets. red.; KOPELEVICH, Ye.I., red.;  
SHAPENKOVA, T.A., tekhn. red.

[Establishing technical norms in cotton spinning] Tekhnicheskoe normi-  
rovanie v khlopkopriadenii. Moskva, Izd-vo nauchno-tekhn. lit-ry  
RSFSR, 1961. 257 p. (MIRA 14:11)  
(Cotton manufacture—Production standards)  
(Spinning machinery)

SAMOYLOV, Vasilii Pavlovich; TOMUTS, I.A., retsenzent; MOTORIN, I.V., spets. red.; KOPELEVICH, Ye. I., red.; GORDEYCHIK, G.M., red.; SHAPENKOVA, T.A., tekhn. red.

[Heat-consuming systems in the cotton industry] Teploispol'-zuiushchie ustanovki khlopchatobumazhnoi promyshlennosti. Dopushcheno 20/V 1959 g. Ministerstvom vysshego obrazovaniia SSSR v kachestve uchebnogo posobiia spetsial'nosti "Promyshlennaiia teploenergetika" vuzov tekstil'noi promyshlennosti. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1961. 283 p.

(MIRA 15:2)

(Cotton manufacture--Equipment and supplies)  
(Heat engineering)

MEYEROVICH, Grigoriy Mikhaylovich; GOLOVASTIKOV, A.A., retsenzents;  
BARUN, M.A., red.; KOPELEVICH, Ye.I., red.; SHAPENKOVA, T.A.,  
tekhn. red.

[Analysis of the financial operations of a textile enterprise]  
Analiz finansovoi deiatel'nosti predpriatiia tekstil'noi pro-  
myshlennosti. Pod red. M.A.Baruna. Moskva, Izd-vo nauchno-  
tekhn. lit-ry RSFSR, 1961. 90 p. (MIRA 15:3)  
(Textile industry—Finance)

TERYUSHINOV, Aleksandr Vasil'yevich, prof.; ARISTOV, P.I., retsenzent;  
MAGNITSKIY, A.A., spets.red.; KOPELEVICH, Ye.I., red.; SOKOLOVA,  
V.Ye., red.; VINOGRADOVA, G.A., tekhn. red.

[Control of yarn breakage in the cotton spinning industry]  
Bor'ba s obryvnost'iu v khlopkopriadil'nom proizvodstve.  
Moskva, Gos. izd-vo "Rostekhnizdat," 1962. 136 p.

(MIRA 15:4)

(Cotton spinning)

BALYASOV, Pavel Dmitriyevich; KONYUKOV, Pavel Mikhaylovich; SMELOVA, Nina Alekseyevna; EFROS, Boris Yefimovich; ZOTIKOV, V.Ye., prof., retsenzent; BARABANOV, L.G., retsenzent; KOPELEVICH, Ye.I., red.; VINOGRADOVA, G.A., tekhn. red.

[Laboratory manual on cotton spinning]Laboratornyi praktikum po priadeniiu khlopka. Izd.2., perer. i dop. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR "Rostekhzdat," 1962. 491 p.  
(MIRA 15:9)

(Cotton spinning) (Cotton machinery)



ASTASHEV, Anatoliy Grigor'yevich; GONCHAROV, A.V., retsenzent;  
KOPELEVICH, Ye.I., red.; TRISHINA, L.A., tekhn. red.

[Arrangement and maintenance of cotton spinning machines]  
Ustroistvo i obsluzhivanie khlopkopriadil'nykh mashin. Mo-  
skva, Rostekhnizdat, 1962. 210 p. (MIRA 16:6)  
(Spinning machinery)

SOV/124-58-11-12017

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 11 (USSR)

AUTHOR: Kopelevich, Yu. Kh., Publisher

TITLE: Biographical Data on Leonhard Euler. A Yu. Kh. Kopelevich Publication (Materialy k biografii Leonarda Eylera. Publikatsiya Yu. Kh. Kopelevich)

PERIODICAL: V sb.: Istor.-matem. issledovaniya. Nr 10, Moscow, Gostekh-teorizdat 1957, pp 9-65

ABSTRACT: This publication contains Russian translations of the following source material: 1) An autobiography of Euler completed up to the year 1741 (published in the original German by P. P. Pekarskiy, Zapiski imp. Akademii nauk, 1864, Vol 6, Book 1, pp 75-77); 2) the first published biography of Euler and his sons (in the collection Adumbratio eruditorum Basiliensium meritis apud exteros olim hodieque celebrium. Basiliae, 1780); 3) a hitherto unpublished address delivered in German by Ya. Shtelin, Professor of Rhetoric of the Petersburg Academy of Sciences, before a meeting of the Academy on the occasion of Euler's death in September of 1783. The Kopelevich translations are prefaced with a brief general introduction containing references to the basic biographical

Card 1/2

SOV/124-58-11-12017

Biographical Data on Leonhard Euler. A Yu. Kh. Kopelevich Publication

literature on Euler and extensive additional commentaries based on a multitude of sources (some 60 references) and on manuscripts preserved at the Leningrad Archives, Academy of Sciences, USSR. Portraits of Euler and of his eldest son are included, also photographs of places that were significant in Euler's life.

G. K. Mikhaylov

Card 2/2

KOPELMVICH, Yu.Kh.

L. Muler's correspondence with IA.V. Brius. Ist.-mat. issl. no.10:95-  
116 '57. (MIRA 11:1)

(Muler, Leonhard, 1707-1783)  
(Brius, Iakov Vilimovich, 1670-1735)

KOPALEVICH, Yu.Kh.

History of the publishing of Euler's article on analysis. Trudy  
Inst. ist. est. i tekhn. 19:282-283 '57. (MIRA 11:2)  
(Euler, Leonhard, 1707-1783)

AUTHORS: Klado, T. N., Kopelevich, Yu. Kh.,  
Kuvanova, L. K., Romanov, N. S.

30-58-3-22/45

TITLE: Documents for the Biography of K. E. Tsiolkovski  
(Materialy k biografii K. E. Tsiolkovskogo)  
In the Archives of the AS USSR  
(V Arkhive AN SSSR)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958,  
(USSR)

Nr 3, pp. 94-103

ABSTRACT: Many valuable documents for the biography of K. E. Tsiolkovski  
are preserved in the archives of the AS USSR. Already in 1899,  
he requested the then Academy for an expert opinion of his  
works in the field of aeronautics as well as for their moral  
and material assistance. Help and assistance, however, were  
granted only to a very small extent to him, since the  
importance of his works and experiments was not sufficiently  
appreciated at that time. In 1902, he furnished a substantial  
report on his experiments to the Academy, which was soon  
returned to him with various critical remarks by which he was  
disappointed. He interrupted further contacts with the

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Documents for the Biography of K. E. Tsiolkovskiy. In the  
Archives of the AS USSR

30-58-3-22/45

Academy. In 1950, the archives of AS USSR received further documents on Tsiolkovskiy comprising the years 1913 to 1935. Within that period he endeavored to propagate his ideas by means of periodicals and worked on problems in the field of astronautics. The AS USSR was charged to publish his works based upon documents comprising the years from 1878 to 1935. There are elaborate investigations and drawings of rockets and astronautical aircraft among these documents. Concluding, the authors state that Tsiolkovskiy was not granted to live to see the practical realization of his ideas; the then level of science and engineering did not allow this. There are 35 references, 35 of which are Soviet.

Card 2/2

KOPELEVICH, Yu. Kh.

Correspondence of Leonhard Euler and Tobias Mayer. Edited and  
commented by IU. Kh. Kopelevich. Ist.-astron.issl. no.5:271-444  
'59. (MIRA 12:12)

(Euler, Leonhard, 1707-1783) (Mayer, Tobias, 1723-1762)



KOPELEVICH, Yu.Kh.; KRUTIKOVA, M.V.; MIKHAYLOV, G.K.; RASKIN, N.M.;  
KNIAZEV, G.A., red.; SMIRNOV, V.I.; YUSHKEVICH, A.P.; TRAVIN,  
N.V., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Manuscripts of L.Euler's works in the archives of the  
Academy of Sciences of the U.S.S.R.] Rukopisnye materialy  
L.Eilera v arkhive Akademii nauk SSSR. Moskva, Izd-vo Akad.  
nauk SSSR. Vol.1. [Scientific description] Nauchnoe opisanie.  
1962. 427 p. (Akademia nauk SSSR. Arkhiv. Trudy, no.17).

(MIRA 15:4)

(Euler, Leonhard, 1707-1783)

EYLER, Leonard [Euler, Leonhard(1707-1783)]; KLADO, T.N.; KOPELEVICH,  
Yu.Kh.; LUKINA, T.A.; SMIRNOV, V.I., akademik, red.;  
SUBBOTIN, M.F., red.; RAYKOV, B.Ye., prof, red.;  
SUSHKOVA, T.I., red.izd-va; BOCHEVER, V.T., tekhn. red.

[Letters to scientists] Pis'ma k uchenym. Moskva, Izd-vo  
Akad. nauk SSSR, 1963. 395 p. (MIRA 16:6)

1. Chlen-korrespondent AN SSSR (for Subbotin).  
(Euler, Leonhard, 1707-1783)

KOIELEVICH, Yu. Kh.

Astronomical contest held in Petersburg in 1751. Astron. zhur. 42  
no. 4:345-353 Aug '65. (MIRA 18:8)

KOFELIONICH, A.M., inzh.; NOSOVA, L.G., inzh.; ROZENGAUS, I.B., kand.  
tekh. nauk

Possibility of using cyclone steam separators in operation  
at low pressure. Toplenergetika 12 no.6:24-26 Je '65.

(MIRA 18:9)

1. Taganrogskiy kotlostroitel'nyy zavod i Vsesoyuznyy nauchno-  
issledovatel'skiy teploekhnicheskii institut.

KOPELIDVICH, A.V.

GTRSP L Vol. 5-No. 1 Jan. 1952

Kopeliovich, A.V. (All-Union Scientific Research Institute of Natural Gases), Some questions on the stratigraphy of the Lower Cambria of the central sections of the Russian platform,  
975.7

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 5 - 1951

KOPELIOVICH, A.V.; LAPKIN, I.Yu.; TEMIN, L.S.

The Donets - Northern Caucasus Hercynian folding region. Dokl. AN  
SSSR 105 no.3:537-540 N '55. (MIRA 9:3)

1. Predstavleno akademikom S.I. Mironovym.  
(Astrakhan District--Geology, Stratigraphic)

Kopeliovich, A. V.  
USSR/ Geology

Card 1/1

Pub. 22 - 39/54

Authors : Kopeliovich, A. V., and Zventov, Ya. S.

Title : Permian deposits in Astrakhan

Periodical : Dok. AN SSSR 106/2, 320-323, Jan 11, 1956

Abstract : Geological data are presented regarding the Permian period deposits discovered in the Astrakhan region of USSR.

Institution : All-Union Petroleum-Gas Scient. Res. Inst.

Presented by: Academician N. M. Strakhov, August 4, 1955

AUTHOR: Kopeliovich, A. V. SOV/11-58/11-3/14

TITLE: Special Features of the Epigenesis of Sandstones of the Mogilev Suite of the South-Western Part of the Russian Plateau, and Several Problems Connected with Them (Osobennosti epigeneza peschanikov Mogilevskoy svity yugo-zapada Russkoy platformy i nekotoryye voprosy, s nimi svyazannyye)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, 23, Nr 11, pp 28 - 43 (USSR)

ABSTRACT: The study of the core samples taken from deep bore holes drilled in the south-western part of the Russian Plateau near Odessa showed that the sandstones and conglomerated gravel, which form the Mogilev suite (Sinian period) at a depth of 1,600 to 1,385 m, underwent an intensive secondary transformation. By their nature these rocks are typical arkoses, and accessory minerals are zircon, turmalin, magnetites, garnet and epidotes. The secondary transformation was caused by two opposing processes: by the dissolution of fragmentary grains, and by recrystallization of new minerals from this solution. The close interlocking of these processes creates the effect of substitution, and the development of blastic structures. Microstylolitic structures, as well as hydromuscovite and sericites, occur as a result

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SOV/11-58-11-3/14

Special Features of the Epigenesis of Sandstones of the Mogilev Suite of the South-Western Part of the Russian Plateau, and Several Problems Connected with Them

of the dissolution process. The partial recrystallization occurs under the pressure of overlying strata and leads to the complete structural transformation of rocks. It is also connected with the appearance of newly formed minerals. These changes occur in the late stage of the epigenesis and cannot be distinguished from changes usually occurring during the first stages of the metamorphosis. Thus these rocks are an intermediate stage between sedimentary and metamorphic rocks. There are 11 photos.

ASSOCIATION: Geologicheskii institut AN SSSR, Moskva (The Geological Institute of the AS USSR, Moscow)

SUBMITTED: February 17, 1958

1. Rock--Geology 2. Geophysical prospecting--USSR 3. Geochemistry

Card 2/2

20-119-2-47/60

AUTHOR: Kopeliovich, A. V.

TITLE: On Microstylolites and Several Related Structural Forms in the Sandstones of the Mogilevskaya Suite in the Southwest of the Russian Platform (O mikrostilolitakh i nekotorykh rodstvennykh im strukturnykh formakh v peschanikakh mogilevskoy svity yugo-zapada Russkoy platformy)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol 119, Nr 2, pp 357 - 360 (USSR)

ABSTRACT: The structures mentioned in the title were found to a large extent in the mentioned sandstones. As known the mentioned suite is separated on account of palaeontologically dumb sediments of the pre-Gothlandian cross-section of Podoliya. The age of the suite is determined by single authors very contradictorily (References 1-7,9,12). In the cross-sections investigated by the author this suite is deposited in a considerable depth: 1385 - 1611 m. Its composition is described in detail. Among the various and complicated modifications of structure in the rocks of this suite the structures mentioned in the title are remarkable. Those of the mutual form-adaption and of the incorporation have to be regarded

Card 1/5

20-119-2-47/60

On Microstylolites and Several Related Structural Forms in the Sandstones of the Mogilevskaya Suite in the Southwest of the Russian Platform

In the cut cross-section they have a common contour (figure 2b). They develop between homogenous (quartz with quartz, microcline with microcline) as well as between heterogenous grains (quartz and feldspar). The microstylolites look like asymmetrical thorns which expand wedge-like towards the basis (figure 2a). At regenerated surfaces the contacts are not stylolitized. 3), microstylolite structures in the interior of the grains: Microstylolites are relatively rarely observed in quartz and microcline grains. Here they are of sinusoidal-wavy or of sharply denticulated-sawlike form. The stylolization occurs in the grains along the cracks and is accompanied by an extremely fine hydromuscovite pellicle. As known, microstylolites are regarded by most of the researchers as formations developing under the influence of an orientated pressure as a consequence of dissolving ~~elastic~~ grains (reference 13). This is confirmed by the author. It would be natural to assume that the pressure is caused by

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20-119-2-47/60

**On Microstylolites and Several Related Structural Forms in the Sandstones of the Mogilevskaya Suite in the Southwest of the Russian Platform**

higher-lying rock stratifications. The formation of these structures is accompanied by a considerable dissolution of the clastic material. The elements, having already dissolved Si, Al, Ca, Na and K, are precipitated and form a quartz-regeneration-cement which also fills up the pores. From this, sericite and hydromuscovite in large quantities are produced. Biotite is replaced by muscovite, the excess titanium being eliminated as anatase and brookite; furthermore, Fe and Mg as siderite and ankerite. Finally, kaolinite is changed into sericite and muscovite. There are 3 figures and 13 references, 11 of which are Soviet.

**ASSOCIATION:** Geologicheskii institut Akademii nauk SSSR (Geological Institute of the AS, USSR)

Card 4/5

3(5)

SOV/20-127-1-52/65

AUTHOR:

Kopeliovich, A. V.

TITLE:

On the Origin of Lead Zinc Mineralization in Ancient Strata of the South-west of the Russian Platform (O proiskhozhdenii svintsovo-tsinkovoy mineralizatsii v drevnikh tolshchakh yugo-zapada Russkoy platformy)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 1, pp 186-189 (USSR)

ABSTRACT:

According to the rather established opinion of many research workers the sparsely scattered disseminations of the lead- and zinc sulphides in the rocks of the sedimentary cover mentioned in the title, on one hand and some minable types of disseminated lead zinc ores on the other hand are formed as a result of similar geochemical processes. The following concentration forms of the aforesaid sulphides are known in the Pre-gotlandian masses of the region mentioned in the title: ore manifestations combined with phosphorite concretions (Refs 3, 5, 6, 10) are located in Podoliya and the country on the right bank of the Dnepr, in the sediments of the Kalyusskiy horizon (= productive suite of N. I. Larin and T. A. Svetozarova = slantsy naslavche of T. Vaskautsanu = Min'kovetskiy horizon of G. Kh. Dikkenszteyn)

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On the Origin of Lead Zinc Mineralization in  
Ancient Strata of the South-west of the Russian Platform

SOV/20-127-1-52/65

of the Ushitskaya suite. The phosphorites are deposited according to a certain rule in the containing argillites. They form as groups series horizons the direction of which agrees completely with that of the layers (Ref 10). The structure of the concretions is radial. They consist of coarse-crystalline phosphate which corresponds to fluorine apatite (Ref 10). Their small star-shaped cavities are mostly filled with a Mn-containing calcite—kaolinite, more rarely with quartz, galenite, sphalerite, chalkopyrites, pyrites, and others. There are fine galenite veins in sandstones of the Mogilev suite (Ref 2). In quartzite-like sandstones large fissures are found which are several dozen meters wide and contain galenite deposits. Ore manifestations in form of rare sporadic disseminations of galenite and sphalerite are found ( in the Olchedayevskiy horizon) as small individual galenite crystals in coarse-grained sandstone. In such sandstones of the Dzhurzhevskiy horizon V. P. Kurochka (oral information) observed an abundant galenite dissemination as crystals of 1 mm size (also Refs 7, 10). Several hypotheses exist (Refs 2, 3, 5, 6, 10) concerning the origin of these galenite- and sphalerite manifestations.

Card 2/3

On the Origin of Lead Zinc Mineralization in  
Ancient Strata of the South-west of the Russian Platform

SOV/20-127-1-52/65

It follows from the rules observed and described in the publications that clastic rocks formed by the disintegration of granitoids, especially the arkose sandstones, must contain Pb and Zn in quantities corresponding to those contained in the granitoids. Pb is assumed to be accumulated in feldspars and biotite, whereas Zn is concentrated in biotite and hornblendes. Under the influence of the epigenetic processes on the heavy metals contained in the clastic material they are mobilized and concentrated by forming sulphide accumulations of different shape. There are 10 Soviet references.

ASSOCIATION: Geologicheskii institut Akademii nauk SSSR  
(Geological Institute of the Academy of Sciences, USSR)

PRESENTED: March 24, 1959, by N. M. Strakhov, Academician

SUBMITTED: March 18, 1959

Card 3/3

KOPELIOVICH, A.V.

Structural dissolution in certain sedimentary, and effusive and  
sedimentary rocks. Izv. AN SSSR. Ser. geol. 25 no.4:48-57 Ap '60.  
(MIRA 13:11)

1. Geologicheskii institut AN SSSR, Moskva.  
(Rocks, Sedimentary)



KOPELIOVICH, A.V.; KRYLOV, I.N.

Solution structures in stromatolites. Dokl. AN USSR 135 no.3:686-  
689 N '60. (MIRA 13:12)

1. Geologicheskii institut Akademii nauk SSSR. Predstavleno akad.  
N.M. Strakhovym.  
(Ural Mountains—Stylolites)

KOPELIOVICH, A.V.

Structural pressure of aqueous electrolyte solutions. Zhur.strukt.-  
khim. 2 no.3:279-281 My-Je '61. (MIRA 15:1)

1. Geologicheskiiy institut AN SSSR.  
(Electrolyte solutions)

KOPELIOVICH, A.V.; KOSSOVSKAYA, A.G.; SHUTOV, V.D.

Some features of the epigenesis of terrigenous sediments in platform and geosynclinal areas. Izv. AN SSSR, Ser. geol. 26 no. 6:18-31  
Ju '61. (MIRA 14:6)

1. Geologicheskii institut AN SSSR, Moskva.  
(Mineralogy)

KOPELIOVICH, A.V.; LODZHEVSKIY, I.G.; TIKHOMIROV, S.V.

Recent data on the crystalline basement in the northeastern part  
of the Moscow area. Dokl. AN SSSR 137 no. 2:384-386 Mr '61.  
(MIRA 14:2)

1. Geologicheskii institut AN SSSR. Predstavleno akademikom N.S.  
Shatskim.

(Moscow Province--Rocks, Crystalline and metamorphic)

KOPELIOVICH, A.V.; TIKHOMIROV, S.V.; TUREVSKAYA, Ye.S.; VEREYSKAYA, K.N.

Lithological characteristics of some horizons of ancient sedimentary formations in the southern part of the Moscow syncline.

Biul.MOIP.Otd.geol. 37 no.5:163-164 S-O '62. (MIRA 15:12)

(Moscow Region—Rocks, Sedimentary)

KOPELIOVICH, A.V.

Phenomena of the epigenetic plagioclase albitization in the  
snadstones of ancient formations in the Dniester Valley. Trudy  
VSGI Ser.geol. no.5:109-122 '62. (MIRA 15:9)

1. Geologicheskiiy institut AN SSSR, Moskva.  
(Dniester Valley—Plagioclase)

KOPELIOVICH, A.V.; MENYAYLENKO, P.A.

Secondary alterations and neocrystallizations in the rocks of the  
Semiluki horizon in the Archeda region. Izv.vys.ucheb.zav.;  
geol.i razv. 5 no.8:72-84 Ag '62. (MIRA 15:11)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze i  
Geologicheskii institut AN SSSR.  
(Volgograd Province--Mineralogy)

KOPELIOVICH, A.V.; SIMANOVICH, I.M.

Structure of differential sliding in quartzite sandstones of  
Jötner strata in the Lake Onega region. Dokl. AN SSSR 151  
no.3:675-678 J1 '63. (MIRA 16:9)

1. Predstavleno akademikom N.M.Strakhovym.  
(Onega Lake region---Sandstone)



KOPELIOVICH, A.V. [deceased]

Amount of displaced matter during a change in the grain size in connection with the secondary alterations of some sedimentary rocks. Lit. i pol. iskop. no.3:130-133 My-Je '65.

(MIRA 18:10)

1. Geologicheskii institut AN SSSR, Moskva.

KOPELIOVICH, B. I. (Co-author)

See: ABRAMOV, A. A.

Abramov, A. A. and Kopeliovich, B. I. "Roentgenoscopy in electric shock," Nevropatologiya i psikhiatriya, 1949, No. 2, p. 60-62.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

KOPELIOVICH B. I.  
EXCERPTA MEDICA Sec 8 Vol 12/9 Neurology Sept 59

4320. SOME FINDINGS ON THE CONDITION OF THE VASCULAR SYSTEM  
(CAPILLARIES) IN EPILEPSY (Russian text) - Kopeliovitch B.I. -  
ZH. NEVROPAT. I PSIKHIAT. 1958, 58/8 (980-983) Tables 1 Illus. 2  
This is a report on repeated capillaroscopic studies in patients suffering from  
various types of epilepsy, with and without mental deterioration. There are de-  
finite changes in the shape of the capillaries, in the blood flow, and in the matrix.  
Functional spasm of the capillaries can be easily influenced by the use of nicotinic  
acid, which has led to the administration of niacin in the management of epilepsy.  
Capillaroscopic findings may be used as an additional tool in the diagnosis of epi-  
lepsy, although they are not considered conclusive. (No mention is made of EEG  
studies.)

Tyndel - Toronto (VIII, 18)

*Oblast psychoneurological hospital*  
*No. 1.*

KOPELIOVICH, B. I. Cand Med Sci -- (diss) "Capillaroscopy During Epilepsy," Leningrad, 1959, 14 pp, 200 copies (First Leningrad Medical Institute im Acad. I. P. Pavlov) (KL, 46/60, 127)

S/020/60/133/01/22/070  
B014/B011

AUTHORS: Fisher, I. Z., Kopeliovich, B. L.

TITLE: On the Refinement of the Superposition Approximation in the Theory of Liquids 71

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 1, pp. 81-83

TEXT: The authors offer a new variant of the correction of a superposition approximation, in which the correction factor of the functions depends on the coordinates of the three particles considered. The authors obtained the system of equations (10) and (11) for the determination of these functions. Here, the conditions for the normalization and attenuation of the correlation are satisfied for all of the superposing functions. The solutions of the system (10) and (11) are written down in the form of two series, (12) and (13), and the separation of these series is described next. Equations (10) and (11) are investigated for gases and liquids. There are 7 references: 2 Soviet and 5 American.

Card 1/2

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KOPELIOVICH, G.I., inzh.

Apparatus used for static balancing of dismountable propeller  
blades. Sudostreennie 25 no.3:60-62 Mr '59. (MIRA 12:5)  
(Balancing of machinery) (Propellers)

KOPELIOVICH, I.M.

PALATNIK, L.S.; KOPELIOVICH, I.M.

Topoanalytical investigation of equilibrium diagrams for multi-component eutectic systems. Part 1. [with English summary in insert] Zhur.fiz.khim. 30 no.9:1948-1958 S '56. (MLRA 9:12)

1. Politekhnicheskiy institut imeni V.I. Lenina, Gosudarstvennyy universitet imeni A.M. Ger'kogo, Khar'kov.  
(Phase rule and equilibrium) (Eutectics)

*KOPELIOVICH, I. M.*

USSR/Physical Chemistry - Thermodynamics, Thermochemistry, Equilibria,  
Physical-Chemical Analysis, Phase Transitions.

B-8

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3787.

Author : L.S. Palatnik, I.M. Kopeliovich.

Inst :

Title : Topoanalytical Study of Equilibrium Graph of Multicomponent  
Eutectic Systems.

Orig Pub: Zh. fiz. khimii, 1957, 31, No 5, 952-959,

Abstract: A generalization of the results from the preceding paper of  
the same authors (report I, RZhKhim, 1957, 60090) covering  
eutectic systems with any component number is given. Equa-  
tions of all ruled hypersurfaces dividing the component cry-  
stallization ranges are derived. In particular, these equa-  
tions give also the equations of the liquidus and solidus hy-  
persurfaces. Only the component melting points and the con-  
centrations of eutectic points of individual binary systems

Card : 1/2

-27-

*State Univ im A. M. Gor'key & Polytech Inst. im Lenin, Khar'kov*



KOPELIOVICH, I.M., Cand Phys Math Sci -- (diss) "Topoanalytic study of ~~the~~ equilibrium diagrams of certain multicomponent systems." Khar'kov, 1958, 15 pp (Min of Higher Education UkSSR. Khar'kov Polytechnic Inst im V.I. Lenin) 170 copies (KL, 27-58, 102)

- 13 -

AUTHOR:

Palatnik, L. S., Kopeliovich, I. M.

SOV/76-32-9-28/46

TITLE:

A Topoanalytical Study of Equilibrium Diagrams of Multi-Component Eutectic Systems. III (Topoanaliticheskoye issledovanie diagramm ravnovesiya mnogokomponentnykh evtekticheskikh sistem. III)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 9, pp 2129-2136 (USSR)

ABSTRACT:

The paper shows how even sections of multi-component eutectic systems can be prepared in topoanalytical ways. The authors give two ways for doing this:

- 1) Given are the melting points of the components and all binary eutectics.
- 2) Given is the n-fold eutectic and all (n-1) simple eutectics.

The process is then carried out according to the first way. The method is demonstrated using a great number of diagrams and tables for a ternary and a quaternary eutectic system. There are 6 figures, 4 tables, and 6 references, 6 of which are Soviet.

Card 1/2

ASSOCIATION:

Politekhnikheskiy institut im. V. I. Lenina; Gosudarstvennyy universitet im. A. M. Gor'kogo Khar'kov (Polytechnical Institute imeni V. I. Lenin; Kharkov State University imeni A. M. Gor'kiy)

SUBMITTED:

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510010

April 15, 1957

Card 2/2

S/139/59/000/05/009/026

E091/E191

AUTHORS: Palatnik, L.S., and Kopeliovich, I.M.

TITLE: Construction of an Equilibrium Diagram for Quinternary Eutectic Alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,  
Fizika, 1959, Nr 5, pp 51-57 (USSR)

ABSTRACT: Palatnik et al (Refs 1-3) have suggested a qualitative topological method for the investigation of equilibrium diagrams of certain multi-constituent systems. In the present paper this method is used to construct and investigate plane sections through the equilibrium diagram of a quaternary eutectic alloy, i.e. an alloy in which the five components (A, B, C, D, F) are soluble in each other in all proportions in the liquid state, but are insoluble in each other in the solid state. The curved hypersurface of the liquidus of the actual diagram is replaced by a set of hyperplanes, each of which is a crystallization field of the corresponding constituent. For the quaternary alloy under consideration, the liquidus surface consists of five such hyperplanes. The intersection of each two liquidus surfaces gives surfaces of binary eutectics,

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E091/E191

Construction of an Equilibrium Diagram for Quinternary Eutectic Alloys

the intersection of each three gives ternary eutectic surfaces, etc. Finally, the intersection of all liquidus surfaces gives the highest eutectic point. Equations are derived for the liquidus and solidus surfaces. When the equations for all equilibrium diagram hypersurfaces have been established, any horizontal section through the diagram can easily be constructed. In order to be able to construct a horizontal isothermal section of the equilibrium diagram of a quaternary eutectic alloy, a definite temperature and two linear concentration relationships must be given. The horizontal sections obtained give a good idea of the shape of the equilibrium diagram at various temperatures and alloy concentrations. These horizontal sections can be used in plotting the equilibrium diagrams with the help of experimental points. A few quaternary eutectic alloys are discussed. Non-eutectic points and those obtained by calculation are shown in Table 1. The eutectic points have been chosen symmetrically, which considerably facilitates

Card  
2/4



S/139/59/000/05/009/026  
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Construction of an Equilibrium Diagram for Quinternary Eutectic Alloys

calculation, but does not influence the results obtained in general (the diagrams will have a symmetrical appearance). For convenience, the temperature is given in conventional units. Figs 1 and 2 show the isothermal sections  $A'B'C'$  of the equilibrium diagram of the selected quaternary eutectic system. The cross-section  $A'B'C'$  corresponds to constant concentrations of the constituents D and F, namely  $x^{(4)} = 0.1$ ;  $x^{(5)} = 0.2$ . In Fig 1, isothermal sections have been constructed for temperatures  $T = 15$ , 10 and 5. The regions of phase existence are marked for a section with  $T = 5$ . Fig 2 shows the isothermal section at  $T = 1.5$  ( $x^{(n)}$  and  $T$  are the coordinates in an oblique-angle Cartesian system). The polythermal section  $x^{(4)} = 0.1$ ,  $x^{(5)} = 0.2$ ,  $x^{(3)} = 0.235$  has been traced in the concentration triangle  $A'B'C'$ . Fig 3 represents this polythermal section. Figs 4 and 5 show the isothermal sections  $AB_1C_1$  of the equilibrium diagram. In Fig 4 the isothermal sections correspond to temperatures of 15, 10 and 5. Regions of phase

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existence are inserted for the section  $T = 5$ . In Fig 5 the isothermal section corresponds to  $T = 3$ . In the concentration triangle  $AB_1C_1$ , the section  $x^{(4)} = x^{(5)} = 1/8(x^{(2)} + x^{(3)})$ ,  $x^{(2)} = x^{(3)}$  is traced. This polythermal section is shown in Fig 6. There are 6 figures, 1 table and 5 Soviet references.

ASSOCIATION: Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina  
(Khar'kov Polytechnical Institute imeni V.I. Lenin)

SUBMITTED: February 16, 1959

Card 4/4

KOPELIOVICH, I.M.

Analytical representation of multicomponent systems. Zhur.neorg.-  
khim. 6 no.12:2724-2726 D '61. (MIRA 14:12)

1. Khar'kovskiy politekhnicheskii institut imeni Leni~~n~~a.  
(Systems (Chemistry))

KOPELIOVICH, I.M.

Analytical investigation of an invariant system. Zhur. neorg. khim.  
9 no.8:2038-2040 Ag '64. (MIRA 17:11)

1. Khar'kovskiy politekhnicheskii institut imeni Lenina.



FOMIN, A.P.; SHEMYANKIN, B.V.; CHEBOTAREV, V.P.; KOPELIOVICH, L.V.;  
KOSTYUNIN, I.K.

Experimental and industrial coking of coal charges with low  
grindability and different degrees of grinding of the com-  
ponents. Koks i khim. no.7:4-7 JI '61. (MIRA 14:9)

1. Chelyabinskiy metallurgicheskiy zavod.  
(Coke industry)

SHEMERYANKIN, B.V.; DOBROVOL'SKIY, I.P.; KOSTYUNIN, I.K.; KOPELIOVICH, L.V.;  
DUBOVIK, A.N.; Prinimali uchastiye: KOSTENKO, A.R.; VAKHTOMOV, S.P.;  
CHERVOV, A.P.

Ways of reducing the porosity of pitch coke. Koks i khim.

no.2:25-29 '62.

(MIRA 15:3)

1. Chelyabinskiy metallurgicheskiy zavod (for Shemeryankin,  
Dobrovol'skiy, Kostyunin, Kopeliovich, Kostenko, Vakhtomov,  
Chervov). 2. Koksokhmetantsiya (for Dubovik).  
(Coke)

SHEMERYANKIN, B.V.; KOPELIOVICH, L.V.; DOBROVOL'SKIY, I.P.; OSHCHEPKOVA, N.V.

Studying the formation of the porous structure of pitch coke. Koks  
i khim. no.3:25-28 '63. (MIRA 16:3)

1. Chelyabinskiy metallurgicheskiy zavod (for Shemeryankin, Kopeliovich,  
Dobrovol'skiy, I.P.). 2. Gosudarstvennyy nauchno-issledovatel'skiy  
institut elektrodnoy promyshlennosti (for Oshchepkova).  
(Coke)

S/191/60/000/010/009/017  
B004/B060

AUTHORS: Selivanov, S. S., Kopeliovich, M. Kh., Anisimov, M. M.

TITLE: A Continuous Method of Producing Heat-insulation Plates  
From Poroplast  $\Phi$ C-7 (FS-7)

PERIODICAL: Plasticheskiye massy, 1960, No. 10, p. 26

TEXT: The following deficiencies are noted in the current production of heat-insulation plates: 1) the pressure arising in the pore formation amounts to  $0.05 \text{ kg/cm}^2$ . 400-ton presses of the type П-713 (P-713) with a pressure of  $25 \text{ kg/cm}^2$  are, however, being used, which leads to a senseless waste of energy. 2) The presses are hand-operated. The authors propose a continuous method with an АНП-1 (ANP-1) apparatus. [Abstracter's Note: This apparatus is not described]. For a plate backing, wrapping paper is rolled onto the conveyer band from a roll, the composition is applied automatically, and again covered with wrapping paper. By the conveyer band, the composition gets into a heating chamber ( $140-150^\circ\text{C}$ ), melts, and foams up under the action of the expanding agent. Facilities to prevent the plates from deforming are provided at this stage. Hardening sets in

Card 1/2

AUTHOR: Kopeliovich, M.M., Engineer

67-6-16/23

TITLE: A Common Works School (Mezhzavodskaya shkola)

PERIODICAL: Kislrod, 1957, Nr 6, pp. 40-41 (USSR)  
Received: April 7, 1958

ABSTRACT: During the time from May 27 to June 24, 1957 a works school was held alternatingly in the metallurgical plants: "Azovstal'", Makeyevskiy, "Zaporozhstal'" and Novotul'skiy for the purpose of exchanging and general utilization of experience with respect to the exploitation of the oxygen-production plants "KT-3600" and "5 P-1", which were introduced in the USSR. Among the instructors of this school there were engineers and specialists in various fields of the plants concerned. Lectures were delivered at this school by prominent specialists of the following plants: "Azovstal'", Makeyevskiy, "Zaporozhstal'", "Krasnyy Oktyabr'", Novotul'skiy, "Krivorozhstal'", imeni Petrovskiy and Chelyabinskiy, as well as of the Metallurgical Kombinats: Kuznetskiy and Nizhne-Tagil'skiy, and the projecting offices: Gypromex, the Leningrad branch of Gipromex and Giprokislrod, altogether 25 specialists were engaged as lecturers. The program of the works school, among other things, included the problem of the transformation of the oxygen-production plant "KT-3600"

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A Common Works School

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into a plant for the production of argon gas. After the end of the courses a tour of inspection of the Balashikhinskiy Works, where oxygen production plants are manufactured, was organized by the participants of these courses. The organization of such works schools was found to be most useful and it was decided that courses should in future be repeated within certain periods.

AVAILABLE: Library of Congress

Card 2/2

KOPELIOVICH, M.

Training of plant managers. WTO no.11:44-45 N '59.  
(MIRA 13:4)

1. Chlen byuro sektsii ekonomiki i organizatsii proizvodstva  
TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva  
mashinostroitel'noy promyshlennosti.  
(Industrial management)

KOPELIOVICH, M.M., inzh.

Interplant school. Kislod 10 no.6:40-41 '57. (MIRA 11:3)  
(Oxygen)

KOPELIOVICH, Mikhail Mikhaylovich; PUPTSEV, S.A., inzh., retsenzent;  
INDENBAUM, V.S., inzh., red.; LANOVSKAYA, M.R., red.izd-vs;  
ISLANT'YEVA, P.G., tekhn.red.

[Safety techniques in oxygen sections of metallurgical plants]  
Tekhnika bezopasnosti v kislorodnykh tsekhakh metallurgicheskikh  
zavodov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i  
tvetnoi metallurgii, 1960. 44 p. (MIRA 14:1)  
(Metallurgical plants--Safety measures)  
(Oxygen--Industrial applications)



25(0)

SOV/117-59-2-27/27

AUTHOR:

Kopeliovich, M.P.

TITLE:

In the Section for Economics, Planning and Organization of Production and Labor, of the TsP of the NTO (V sektsii ekonomiki, planirovaniya, organizatsii proizvodstva i truda TsP NTO Mashproma)

PERIODICAL:

Mashinostroitel', 1959, Nr 2, pp 46-48 (USSR)

ABSTRACT:

This is a very general review of the activities of the section named in the title, in 1957-1958.

Card 1/1

USCOMM-DC-60,518

KOPELIOVICH, M.P.

Organizing regular work flow in machinery plants. Vest.mash. 41  
no.4:81-82 Ap '61. (MIRA 14:3)  
(Factory management)

KOPELIOVICH, M.P.

Improve the planning and accounting for the cost of industrial  
production. Mashinostroitel' no.12:36-37 D '61.

(MIRA 14:12)

(Industrial management)

KOPELIOVICH, M.P.

Problems in the business accounting of a machinery  
plant. Vest.mash. 42 no.3:87-89 Mr '62. (MIRA 15:3)  
(Machinery industry—Finance)